

ED_000545B_00000148

July 12, 2007

Statement of Work

Title: Design of a Test Fuel Matrix

Background: Energy Policy Act of 2005 requires that OTAQ generate information needed to develop the emission model of the 2007 motor vehicle fleet. The fuel matrix which is the subject of this Statement of Work will be used in a vehicle test program that will generate exhaust emission data needed to develop that model. Statistical design of experiment methodology must be used to design the matrix

Scope and Objectives:

Perform statistical analysis to design a family of partial factorial fuel matrices to investigate the effect of gasoline parameters on vehicle emissions. Define statistics which characterize the quality of these matrices.

Deliverables: Fuel matrix designs and associated statistics need to be delivered by August 15.

Estimated cost: Not to exceed \$2,500

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Suggested contractor: Southwest Research Institute